Naperville

Transportation, Engineering & Development Business Group

Vacuum Test for Sanitary Manholes

Project: Sheet # Of

Date: Contractor :

Inspector : Owner:

Vacuum cannot drop below 9 inches of mercury

Manhole Number :						
Street Name						
Manhole Diameter (Inches)						
Manhole Depth (Feet)						
Test - Start Time						
Test Start - Inches of Mercury						
Test End - Time						
Test End - Inches of Mercury						
Pass or Fail						
Retested Date						
(Pass Or Fail)						

Remarks:

Test Time Duration:

48 inch diameter manhole - 60 seconds

60 inch diameter manhole - 75 seconds

72 inch diameter manhole - 90 seconds

84 inch diameter manhole - 105 seconds

Signature

Naperville

Transportation, Engineering & Development Business Group
Mandrel Tests for PVC Sanitary Sewers

Project: Sheet # of

Date: Contractor:

Inspector: Owner:

Date sewer installation was completed:

Total sewer length installed in feet: % of pipe to be tested:

Test Number:	1	2	3	4	5	6
Street Name:						
From MH No.						
To MH No.						
Diameter (Inches):						
Length (Ft.):						
Curvilinear (yes / no)						
Test result (Pass / Fail)						
Obstruction distance from upstream MH						
Obstruction distance from downstream MH						
Retested date						
(Pass / Fail)						
Remarks:						

Attach supplemental report if obstruction is encluntered.

Signature

Naperville

TED BUSINESS GROUP
LOW PRESSURE TEST
SANITARY SEWERS

Project: Sheet No. Of

Date: Contractor:

Inspector: Owner:

Trunk Line	Street Name						
	From MH No.						
	To MH No.						
	Diameter (In)						
	Length (Ft)						
Laterals	Diameter (In)						
	Length (Ft)						
Start of Interval	Time at Start						
	Pressure at Start						
End of Interval	Time at End						
	Pressure at End						
Pressure Test Pass or Fail							

Minimum holding time is **4:00 min. Minimum** Pressure is **4.0 PSI**

Maximum pressure drop is **0.5 PSI** for size and length of pipe indicated for Q=0.0015

Pipe Diameter (in.)	4	6	**8**	10	**12**	15	18	21	24	27	30	33	36
Length for Minimum Time (ft)	597	398	**298**	239	**199**	159	133	114	99	88	80	72	66
Time for Longer Length (sec)	.190L	.427L	**.760L**	1.187L	**1.709L**	2.671L	3.846L	5.235L	6.837L	8.653L	10.683L	12.926L	15.384L

Remarks:

Example: 1) 8" Pipe 245' ~ 245x.760 = 186.2 seconds = 3 minutes and 15 seconds - **Test = 4 minutes**

2) 12" Pipe 254' ~ 254x1.709 = 434.1 seconds = 7 minutes & 15 seconds - Test = 7 minutes & 15 seconds

Signature